Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS  & TEST  PROCEDURE	INTENDED SERVICE CLASS	ECS & SPECIAL FEATURES 3
2007	7CEXH0540LBB	8.8	CNG	Diesel	UB	TBI, TC, CAC, ECM, OC, HO2S
ENGINE (L	.)				rated power, in hp) 320 / 1494;FR91310	
*				*		
•	<u> </u>		· · · · · · · · · · · · · · · · · · ·	*	<del></del>	

=not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc;

L=liter; hp=horsepower; kw=kilowatt;
CNG/LNG=compressed/fiquefied natural gas; LPG=liquefied petroleum gas; E85=85% eithanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel;

LIMM HDD=light/medium/heavy heavy-duty diesel; UB=urban bus; HDO=heavy duty Otto;
ECS=emission control system; TWC/OC=three-way/oxidizing catalyst; WU (preftx) =warm-up catalyst; DPF=diesel particulate filter; PTOX=periodic trap oxidizer; HO2S/O2S=heated/oxygen
Sensor; HAFS/IAFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); TBI=throttle body fuel injection; SFIMF1=sequential/multi port fuel injection; DGI=direct gasoline injection;
GCARB=gaseous carburetor; IDVDDI=indirect/direct diesel injection; TC/SC=turbo/super charger; CAC=charge air cooler; EGR=exhaust gas recirculation; PAIR/AIR=pulsed/secondary air injection;
SPL=smoke puff limiter; ECM/PCM=engine/powertrain control module; EM=engine modification; 2 (preftx)=parallel; (2) (sufftx)=in series

(2006DEC22)

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.1 (urban bus) or 13 CCR 1956.8 (other than urban bus); 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, in g/bhp-hr, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.1 or 13 CCR 1956.8 are in parentheses.)

NAME		NOv		NMHC+NOx		co		PM		нсно	
			<del>,</del>		EURO	FTP	EURO	FTP	EURO	FTP	EURO
				•	•	15.5	15.5	0.01	0,01	•	*
0.14	0.14	1.85	1.85	1.8	1.8	*	*	•	·		<u> </u>
0.00	0.00			1.2	1.1	0.7	0.4	0.01	0.002	*	<u> </u>
				2	.25	19	.375	0.	015	-	•
	0.14 0.00	0.14 0.14	FTP EURO FTP 0.14 0.14 * 1.85 0.00 0.00 1.24	FTP EURO FTP EURO  0.14 0.14	FTP EURO FTP EURO FTP 0.14 0.14 *	FTP         EURO         FTP         EURO         FTP         EURO           0.14         0.14         *	FTP         EURO         FTP         EURO         FTP         EURO         FTP           0.14         0.14         *         *         *         15.5           *         *         1.85         1.85         1.8         *           0.00         0.00         1.24         1.05         1.2         1.1         0.7	FTP EURO FTP EURO FTP EURO FTP EURO  0.14 0.14	NMHC         NUX         NUMINITARY           FTP         EURO         FTP         EURO         FTP         EURO         FTP           0.14         0.14         *         *         *         15.5         15.5         0.01           *         1.85         1.85         1.8         1.8         *         *         *           0.00         0.00         1.24         1.05         1.2         1.1         0.7         0.4         0.01	NMHC         NOX         NUMBED NOX           FTP         EURO         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.01         0.00         0.00         0.00         1.24         1.05         1.2         1.1         0.7         0.4         0.01         0.002         0.015 <td< td=""><td>NMHC         NOX         NMHC+NOX         CO         FTP         EURO         FTP         EURO         FTP         EURO         FTP         EURO         FTP         EURO         FTP         EURO         FTP         FTP         EURO         FTP         FTP         EURO         FTP         FTP</td></td<>	NMHC         NOX         NMHC+NOX         CO         FTP         EURO         FTP         EURO         FTP         EURO         FTP         EURO         FTP         EURO         FTP         EURO         FTP         FTP         EURO         FTP         FTP         EURO         FTP         FTP

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

**BE IT FURTHER RESOLVED:** The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [DIESEL] or (d) [OTTO] and the incorporated 40CFR 86.007-15(m)(9).

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this \_

\_\_\_\_ day of January 2007.

Mobile Source Operations Division